

Title (en)  
DISPLAY DEVICE

Title (de)  
ANZEIGEVORRICHTUNG

Title (fr)  
DISPOSITIF D'AFFICHAGE

Publication  
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Application  
**EP 11744629 A 20110215**

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Abstract (en)  
[origin: EP2538402A1] A display device according to the present invention includes a plurality of pixels arranged in a matrix. Each of the plurality of pixels is formed of four or five types of sub pixels that display different colors from each other. In each pixel, a first sub pixel that displays a color having the highest luminance and a second sub pixel that displays a color having the second highest luminance are located so as not to be adjacent to each other. The four or five types of sub pixels include a plurality of display units, each of which is capable of displaying a specific color and is formed of one sub pixel or two or more continuous sub pixels. In the display device according to the present invention, when an input image has a resolution higher than a display resolution defined by a total number of the plurality of pixels, each of the plurality of display units is usable as a virtual pixel for providing display. According to the present invention, a multiple primary color display device which suppresses the decline of display quality even when the resolution of an input image is higher than the resolution of the display device is provided.

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• [XI] EP 2109091 A1 20091014 - SHARP KK [JP]  
• [X] US 2006098033 A1 20060511 - LANGENDIJK ERNO H A [NL]  
• See references of WO 2011102343A1

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